



Appendix A

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Outdoor battery camera 2K

Test Model: LZT-10

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Ling Zhu





A.1 DTS Bandwidth

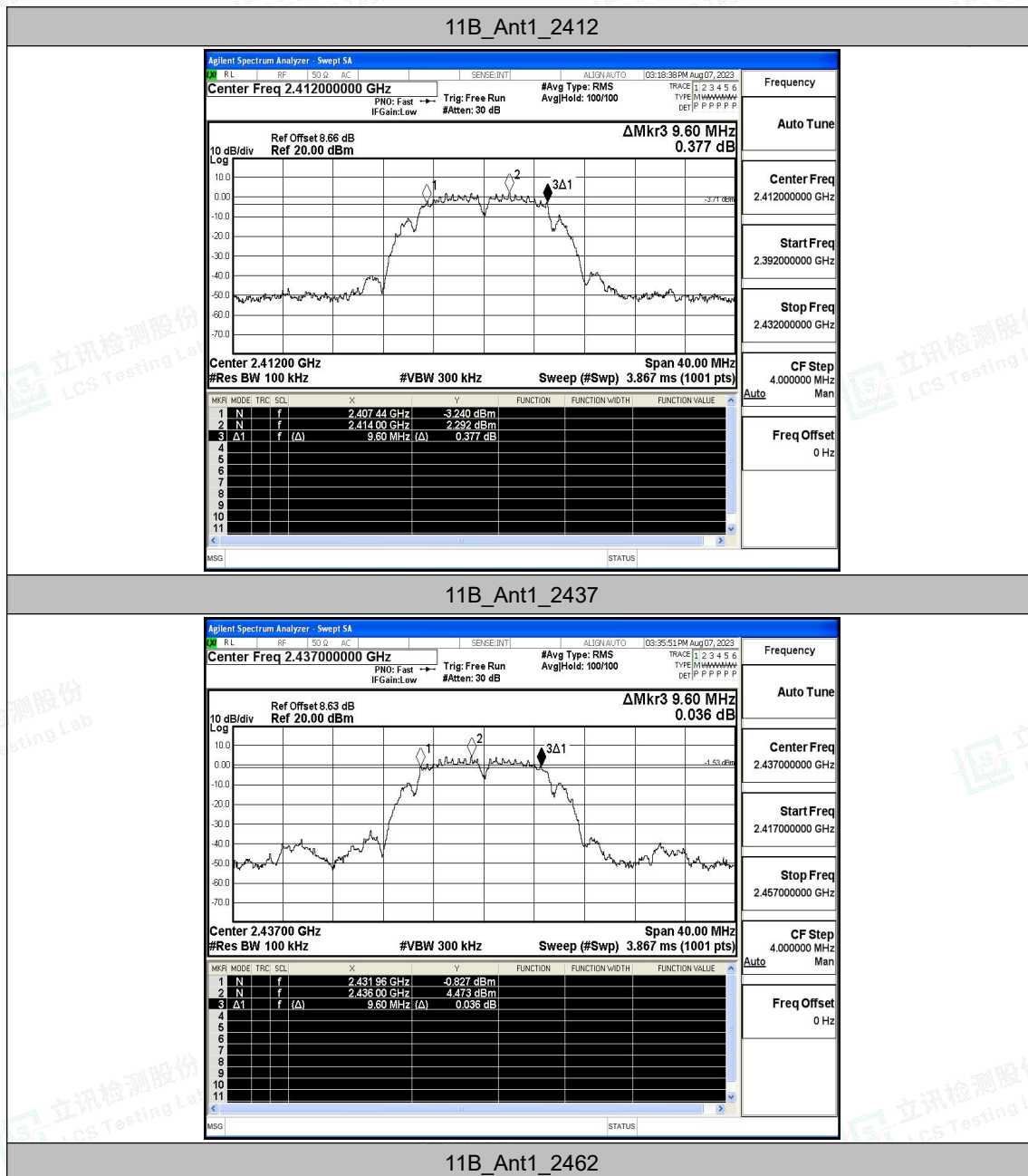
Test Result

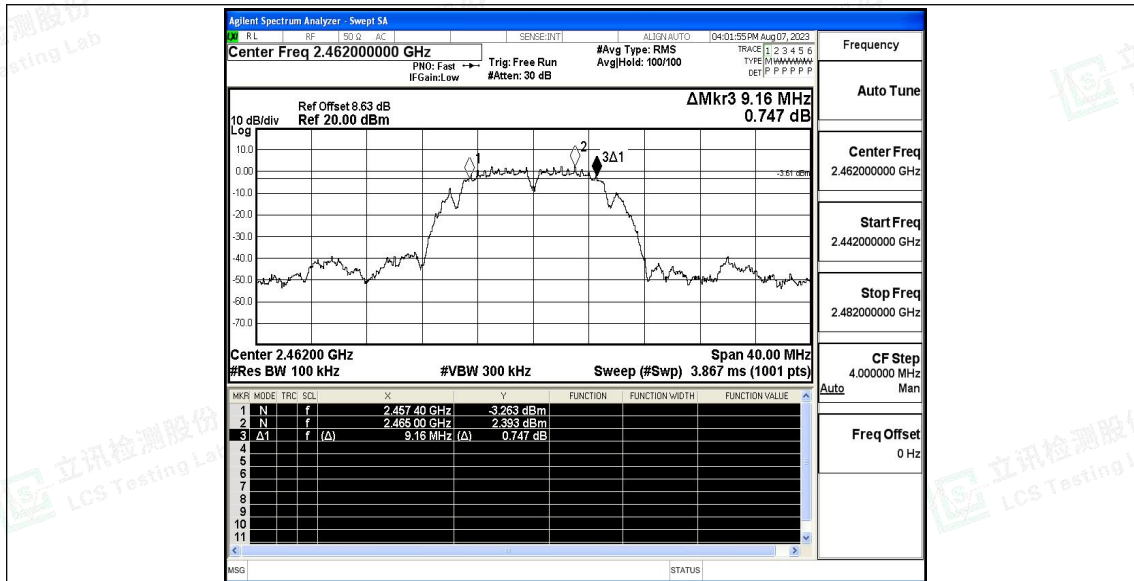
TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.600	2407.440	2417.040	0.5	PASS
		2437	9.600	2431.960	2441.560	0.5	PASS
		2462	9.160	2457.400	2466.560	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	16.320	2428.840	2445.160	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	16.880	2403.640	2420.520	0.5	PASS
		2437	16.680	2428.640	2445.320	0.5	PASS
		2462	16.680	2453.680	2470.360	0.5	PASS



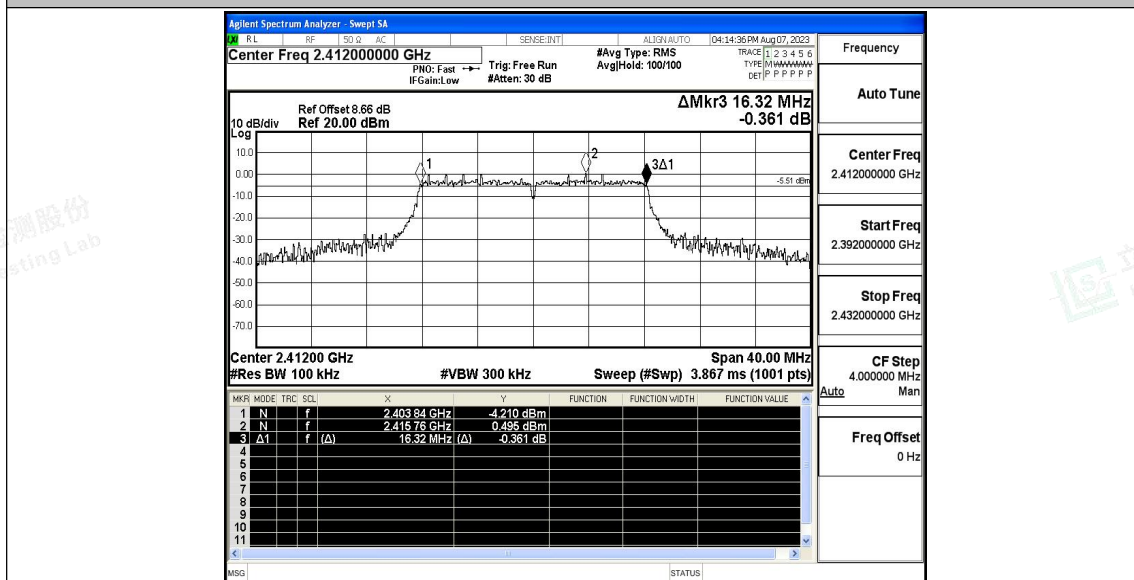


Test Graphs



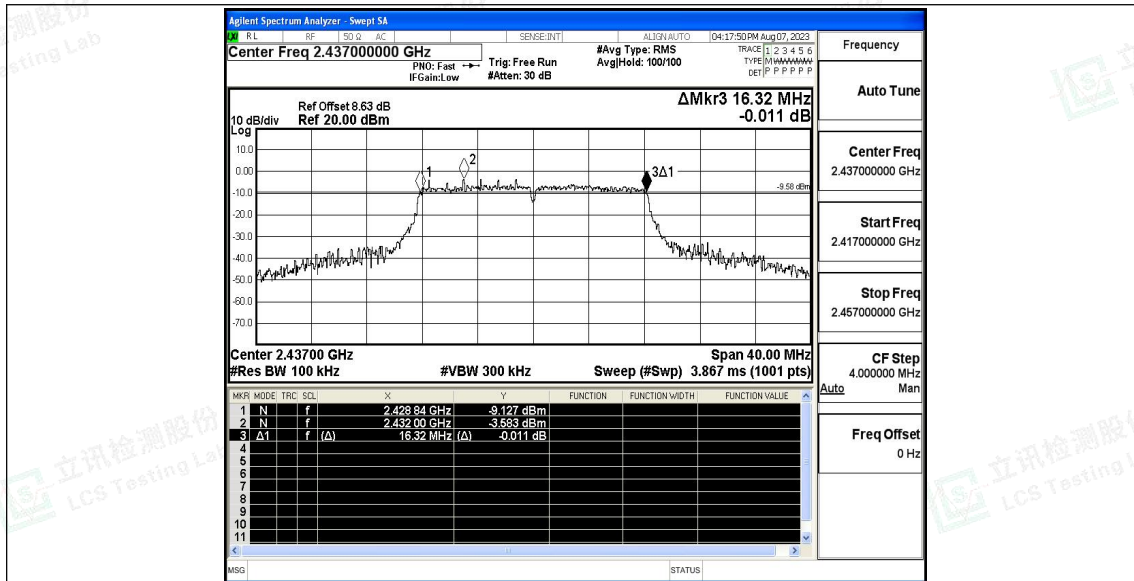


11G_Ant1_2412

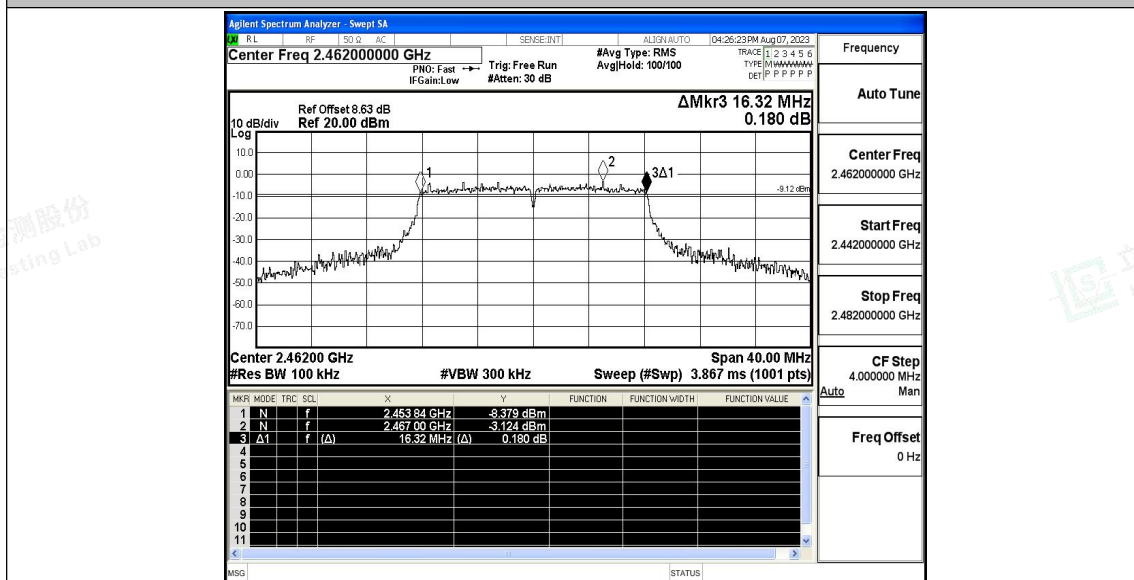


11G_Ant1_2437



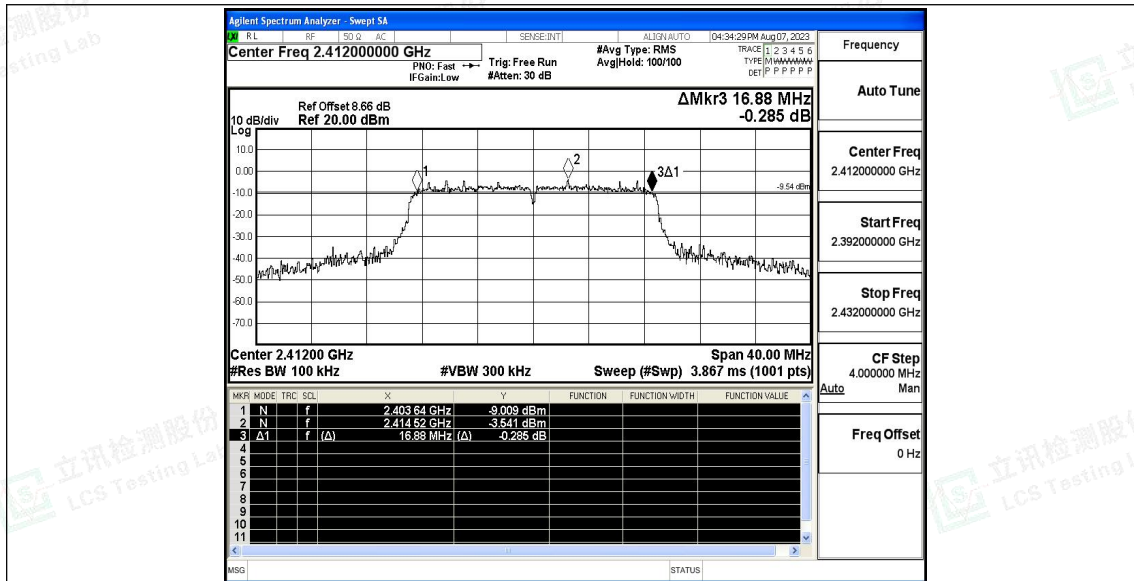


11G_Ant1_2462

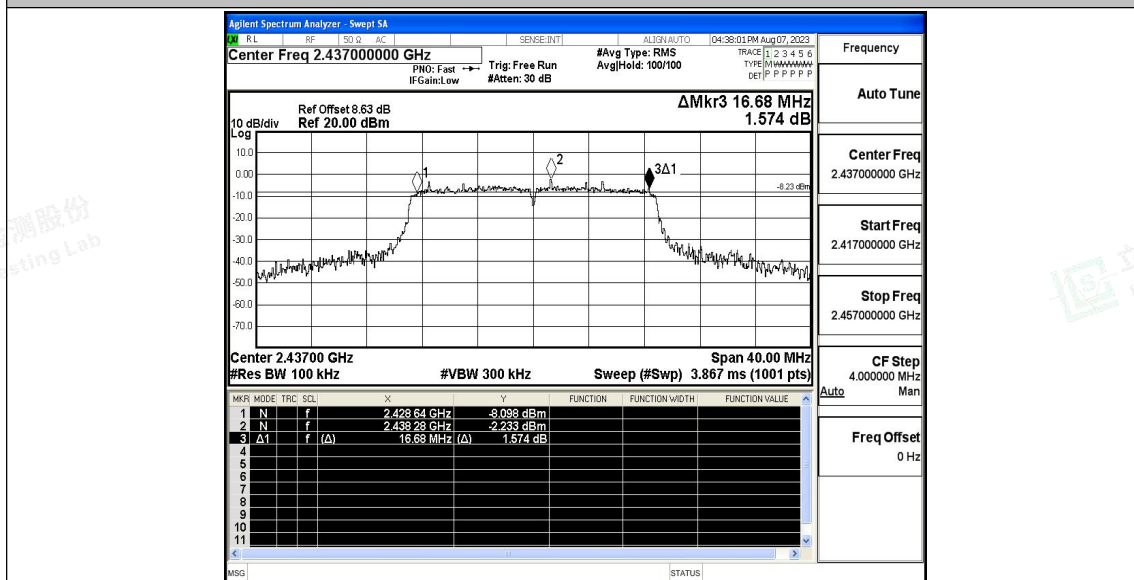


11N20SISO_Ant1_2412



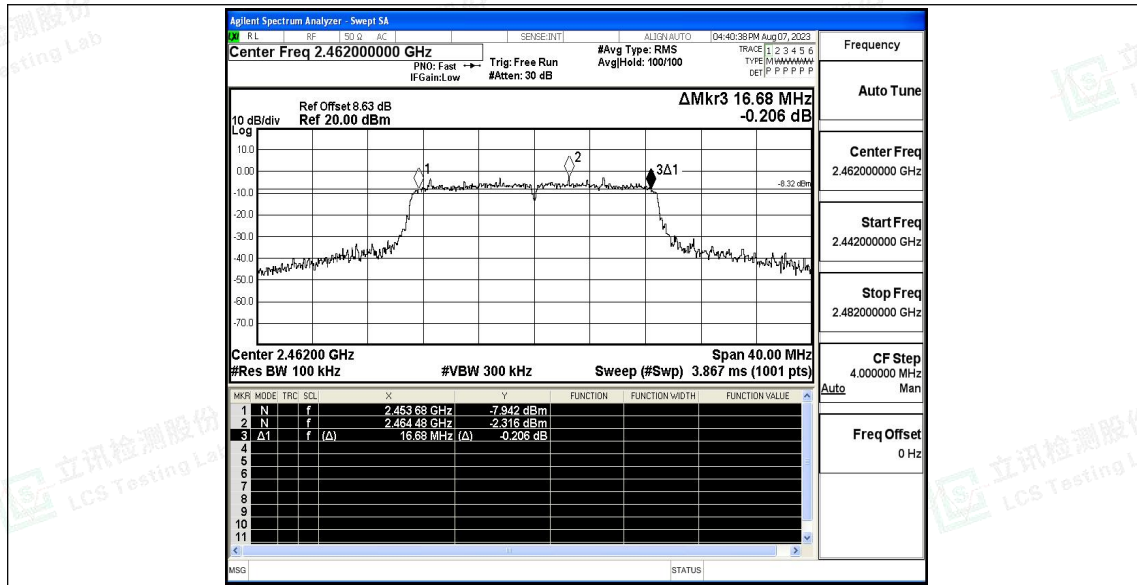


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462







A.2 Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Peak Power[dBm]	Conducted Limit[dBm]	Verdict
11B	Ant1	2412	14.39	≤30.00	PASS
		2437	14.68	≤30.00	PASS
		2462	14.84	≤30.00	PASS
11G	Ant1	2412	14.07	≤30.00	PASS
		2437	14.48	≤30.00	PASS
		2462	15.37	≤30.00	PASS
11N20SISO	Ant1	2412	14.06	≤30.00	PASS
		2437	14.91	≤30.00	PASS
		2462	15.21	≤30.00	PASS





A.3 Maximum power spectral density

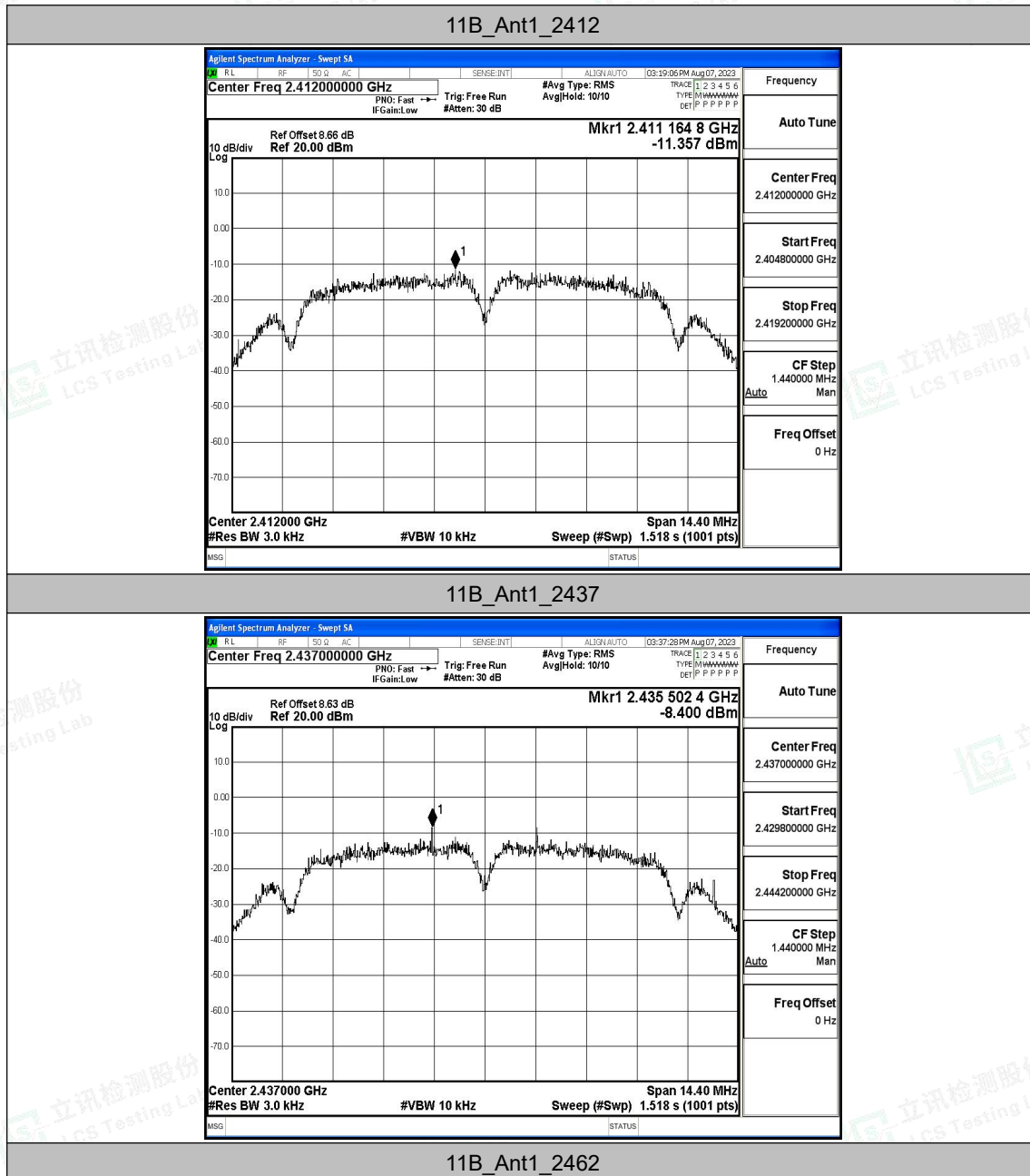
Test Result

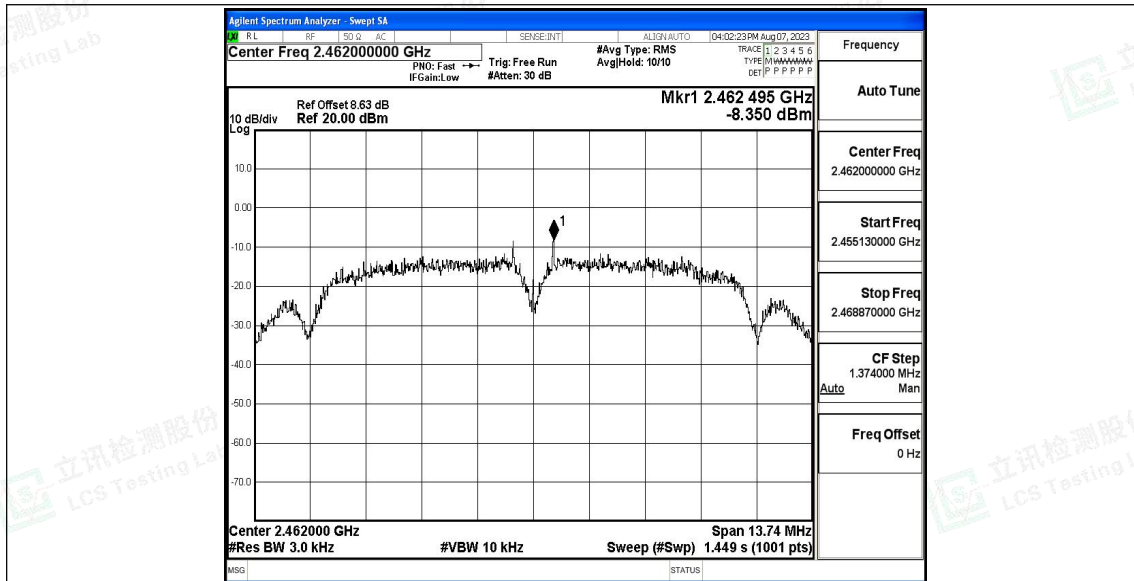
TestMode	Antenna	Freq(MHz)	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-11.36	≤8.00	PASS
		2437	-8.4	≤8.00	PASS
		2462	-8.35	≤8.00	PASS
11G	Ant1	2412	-17.76	≤8.00	PASS
		2437	-17.56	≤8.00	PASS
		2462	-17.24	≤8.00	PASS
11N20SISO	Ant1	2412	-17.4	≤8.00	PASS
		2437	-17.16	≤8.00	PASS
		2462	-16.38	≤8.00	PASS



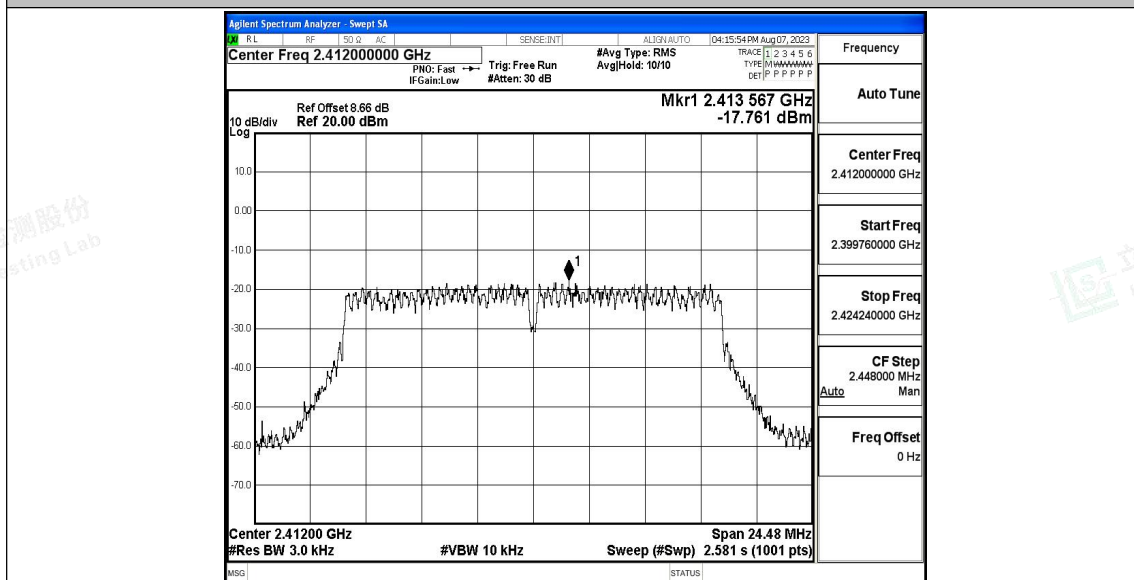


Test Graphs



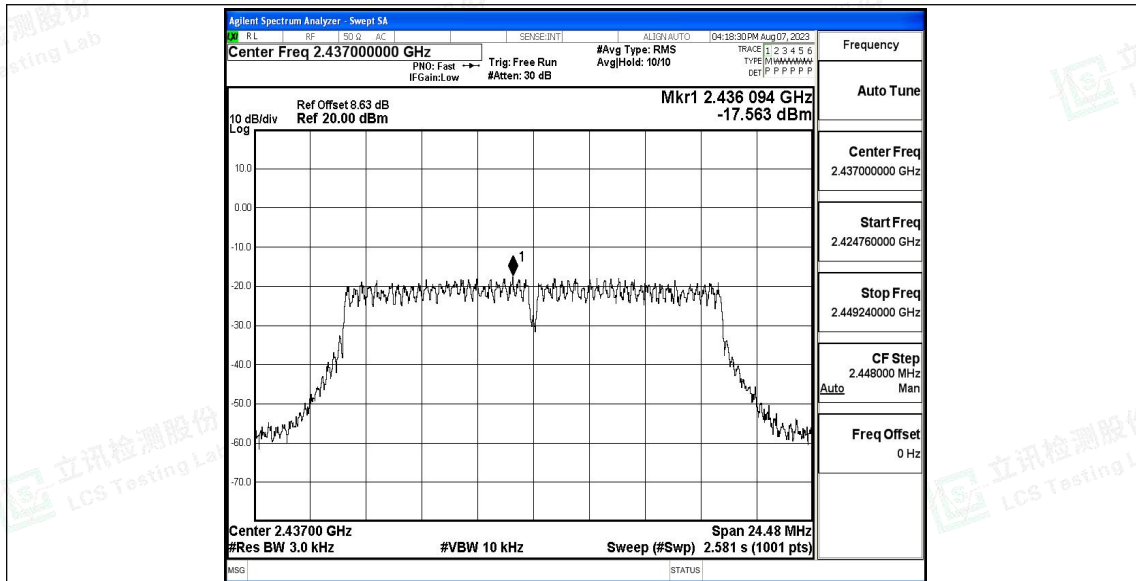


11G_Ant1_2412

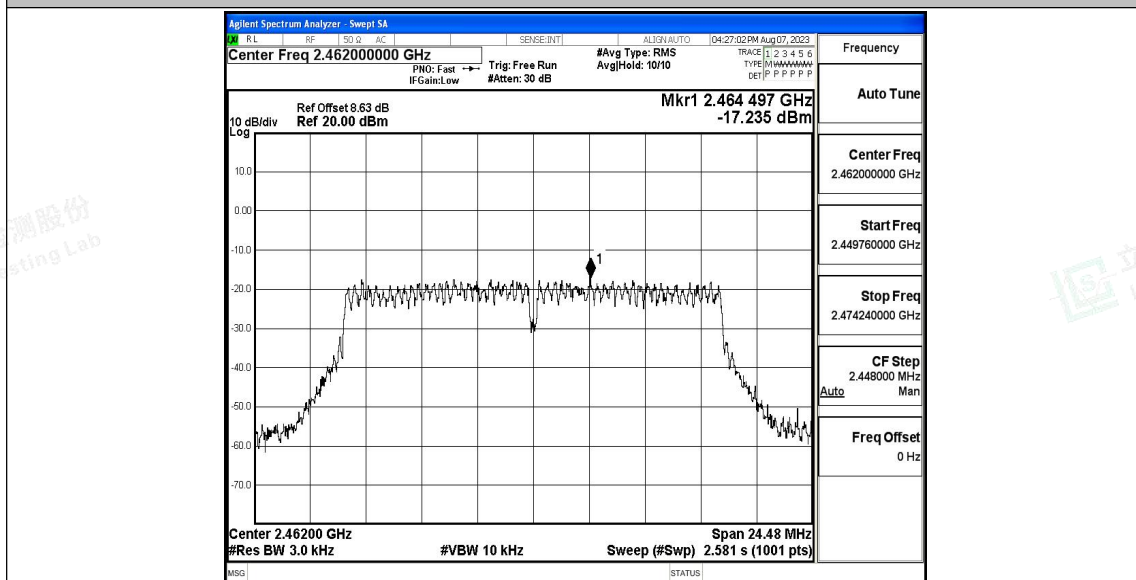


11G_Ant1_2437



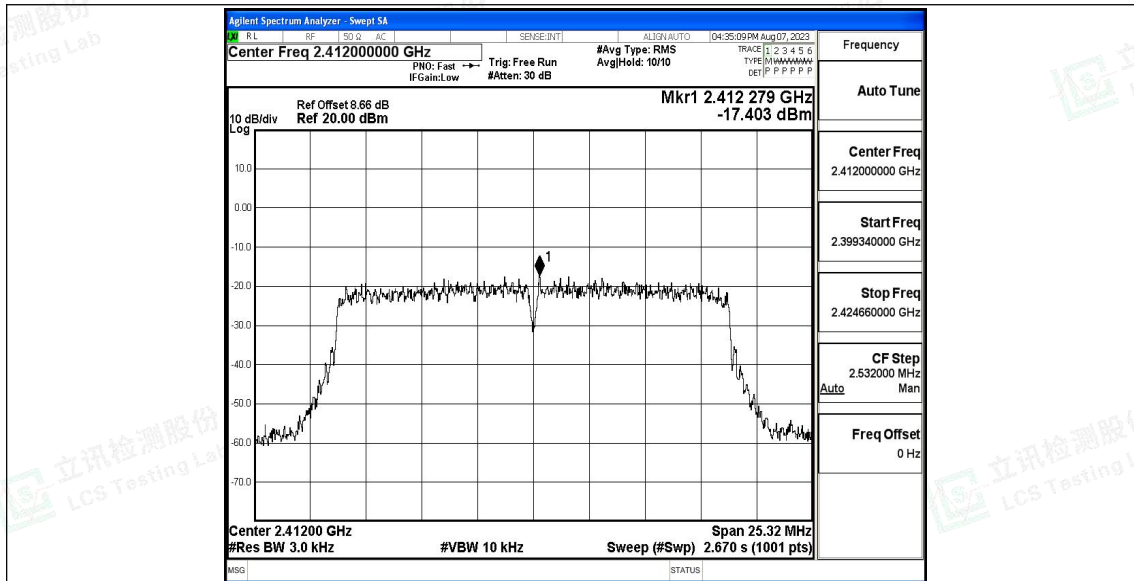


11G_Ant1_2462

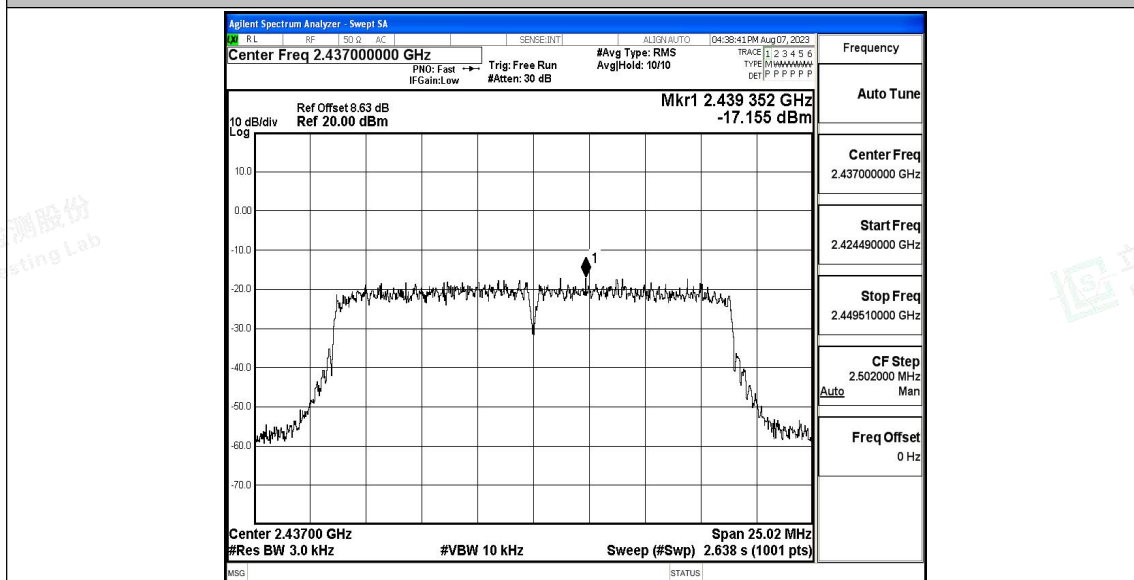


11N20SISO_Ant1_2412



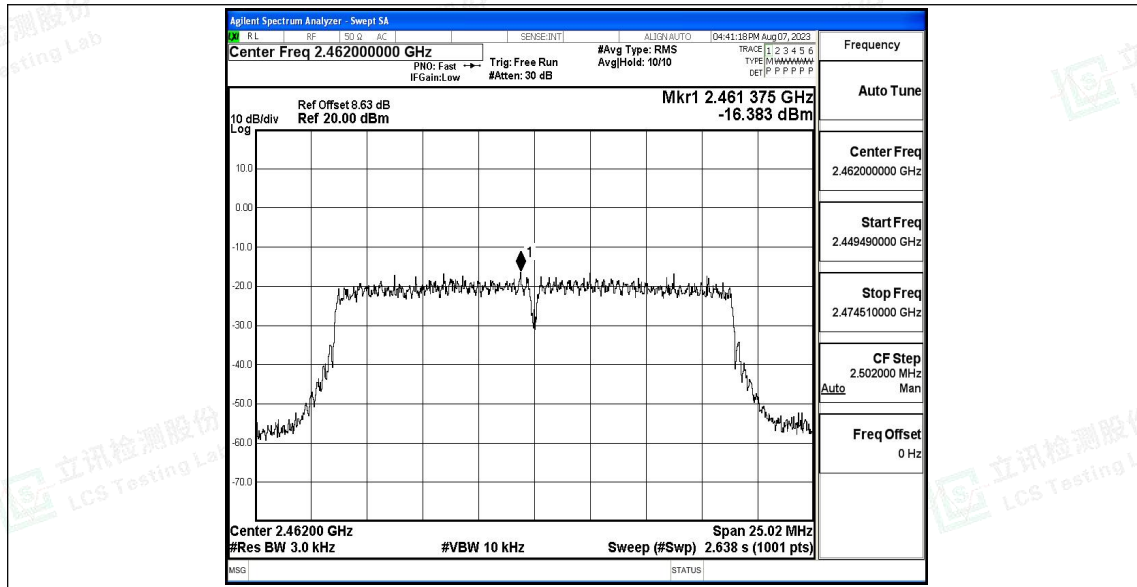


11N20SISO_Ant1_2437



11N20SISO_Ant1_2462







A.4 Band edge measurements

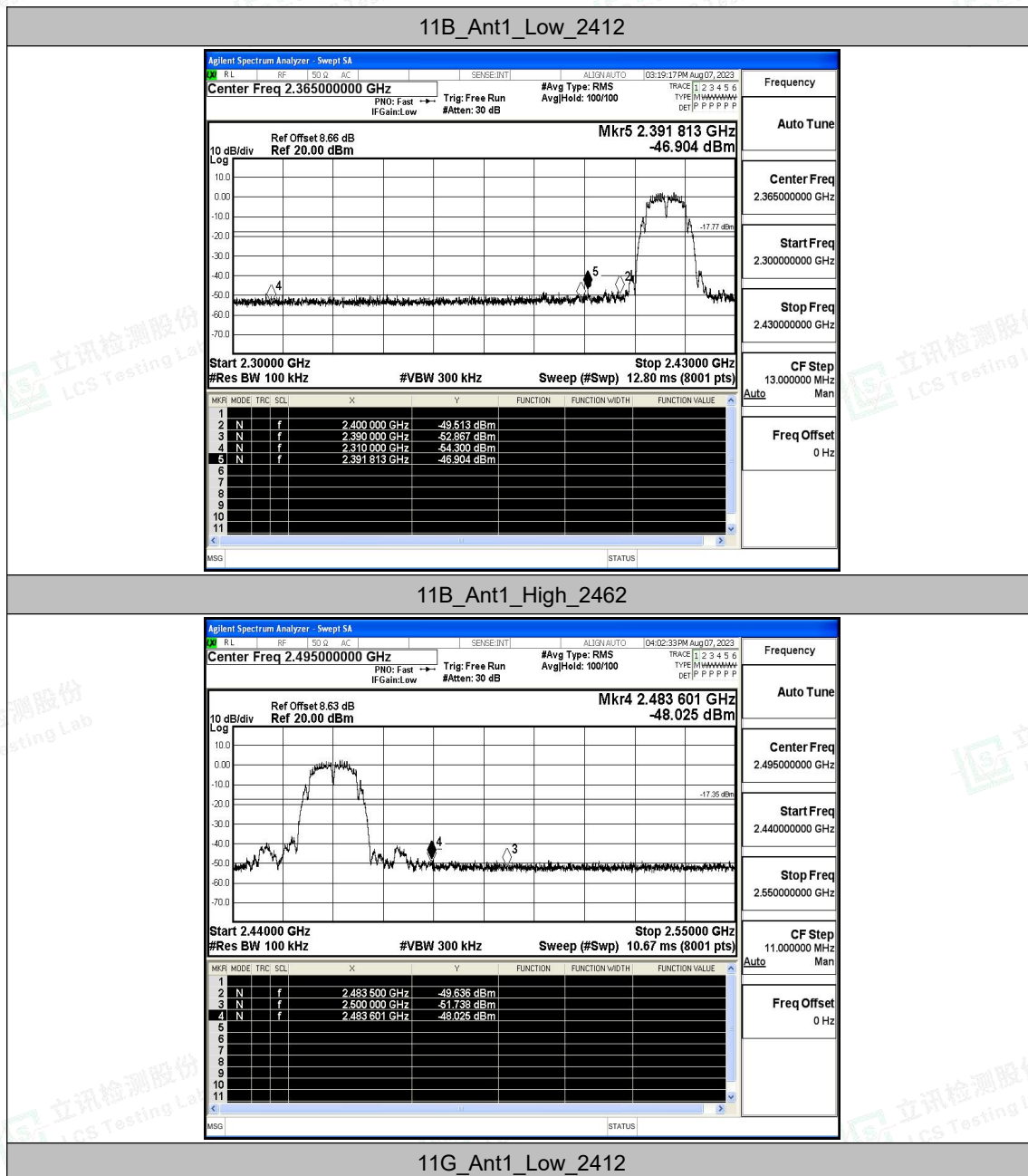
Test Result

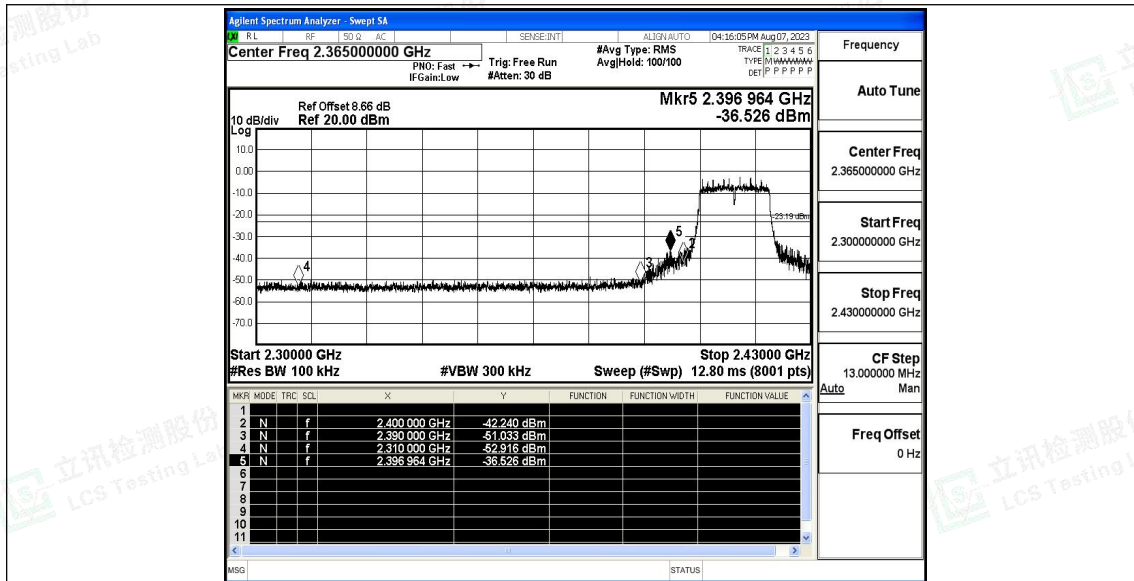
TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	2.23	-46.9	≤-17.77	PASS
		High	2462	2.65	-48.03	≤-17.35	PASS
11G	Ant1	Low	2412	-3.19	-36.53	≤-23.19	PASS
		High	2462	-2.18	-46.76	≤-22.18	PASS
11N20SISO	Ant1	Low	2412	-3.86	-32.93	≤-23.86	PASS
		High	2462	-1.99	-46.33	≤-21.99	PASS



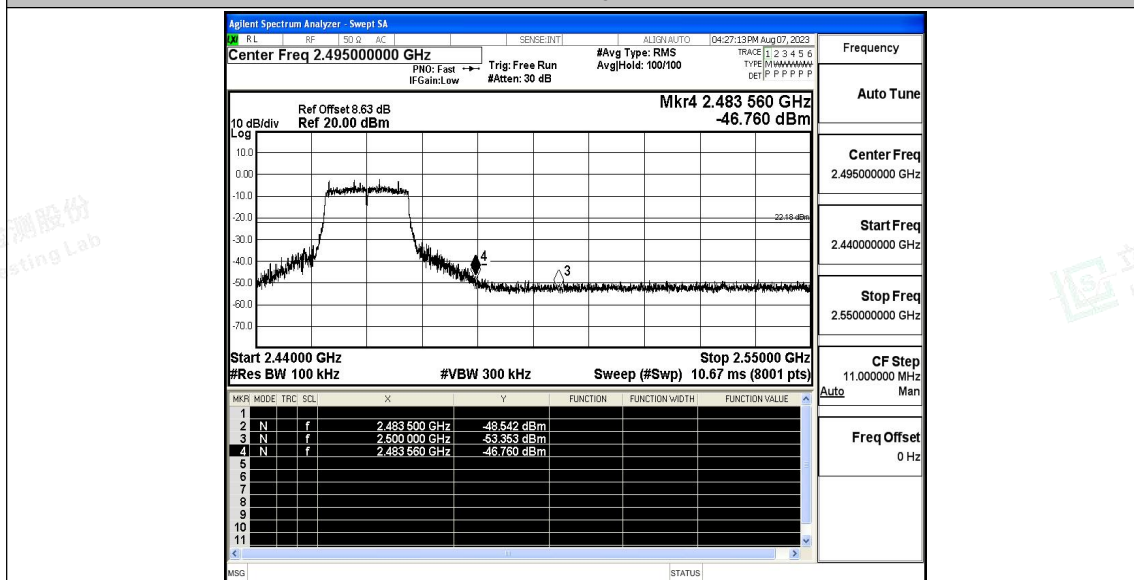


Test Graphs



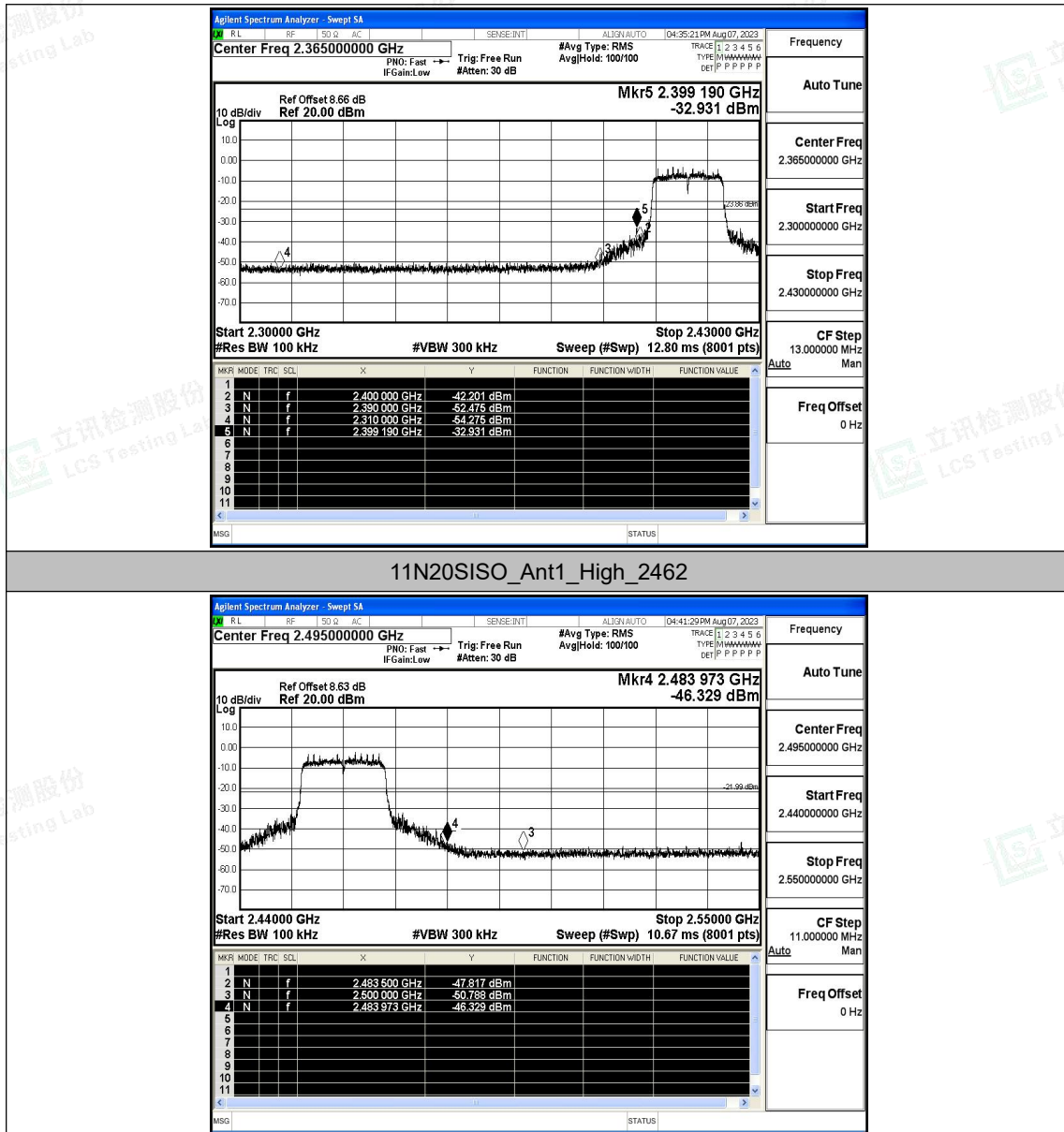


11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412







A.5 Conducted Spurious Emission

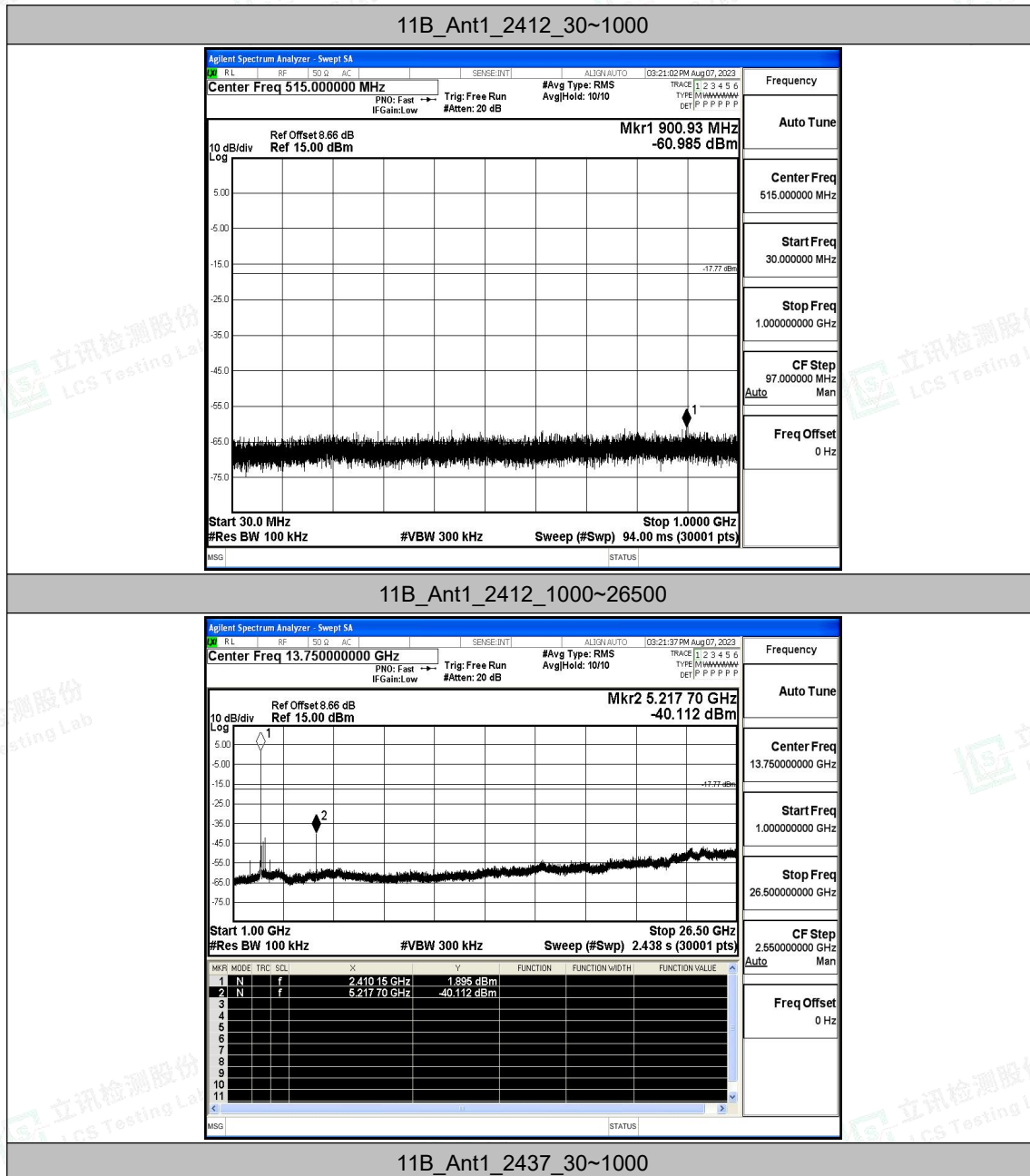
Test Result

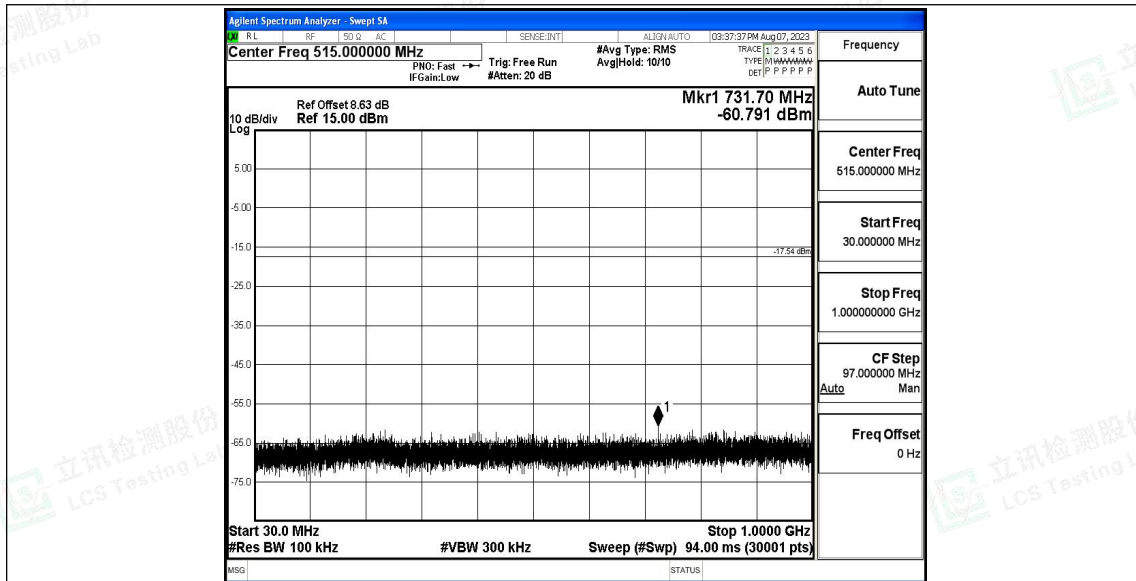
TestMode	Antenna	Freq(MHz)	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	30~1000	2.23	-60.99	≤-17.77	PASS
			1000~26500	2.23	-40.11	≤-17.77	PASS
		2437	30~1000	2.46	-60.79	≤-17.54	PASS
			1000~26500	2.46	-46.08	≤-17.54	PASS
		2462	30~1000	2.65	-60.93	≤-17.35	PASS
			1000~26500	2.65	-46.95	≤-17.35	PASS
11G	Ant1	2412	30~1000	-3.19	-60.35	≤-23.19	PASS
			1000~26500	-3.19	-46.67	≤-23.19	PASS
		2437	30~1000	-2.90	-61.09	≤-22.9	PASS
			1000~26500	-2.90	-46.53	≤-22.9	PASS
		2462	30~1000	-2.18	-59.9	≤-22.18	PASS
			1000~26500	-2.18	-46.43	≤-22.18	PASS
11N20SISO	Ant1	2412	30~1000	-3.86	-61.65	≤-23.86	PASS
			1000~26500	-3.86	-46.28	≤-23.86	PASS
		2437	30~1000	-2.83	-61.3	≤-22.83	PASS
			1000~26500	-2.83	-46.21	≤-22.83	PASS
		2462	30~1000	-1.99	-60.57	≤-21.99	PASS
			1000~26500	-1.99	-47.23	≤-21.99	PASS



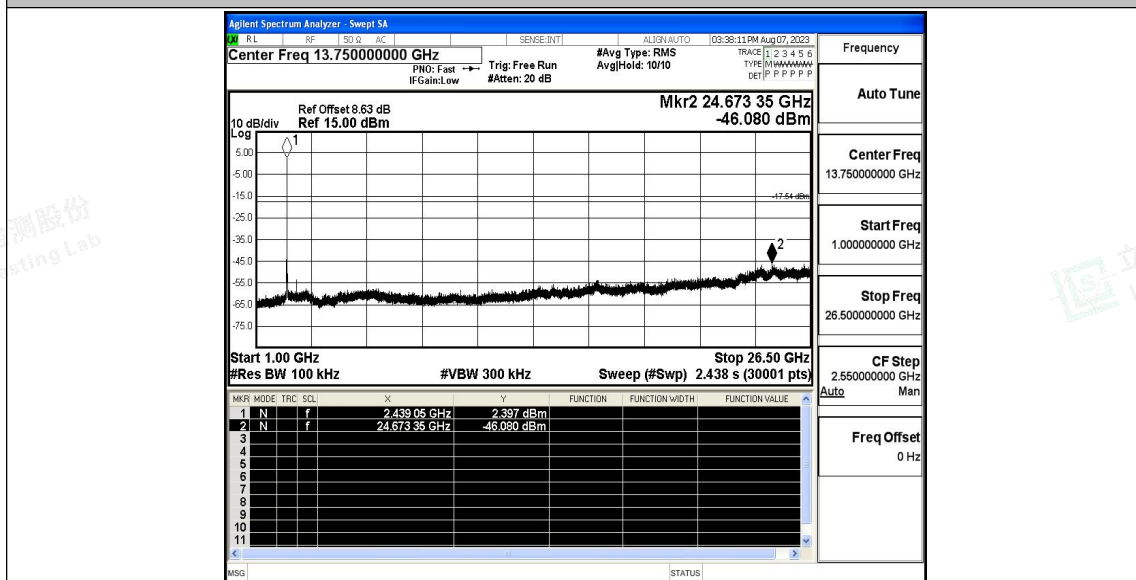


Test Graphs





11B_Ant1_2437_1000~26500



11B_Ant1_2462_30~1000



